Comparisons of Job Characteristics

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)
Associated Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)
Associated Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.6	13.1	0	Current knowledge level may be sufficient
Production and Processing	6.0	10.9	15.7	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)
Associated Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	9.7	13.7	>>	Skill level is likely more than sufficient
Quality Control Analysis	5.9	8.8	7.3	<	A higher skill level may be required
Operation and Control	5.4	8.7	9.7	>	Skill level is likely sufficient
Troubleshooting	4.5	7.6	3.1	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	5.9	2.7	<<	Extensive development of skills in this area may be required
Repairing	3.4	5.6	2.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)
Associated Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Near Vision	11.1	10.6	11.0	0	Current ability level may be sufficient
Control Precision	6.6	10.5	10.8	0	Current ability level may be sufficient
Oral Comprehension	12.5	9.7	10.6	0	Current ability level may be sufficient
Oral Expression	12.4	9.7	10.2	0	Current ability level may be sufficient
Written Comprehension	11.0	9.5	8.8	0	Current ability level may be sufficient
Problem Sensitivity	11.1	9.2	10.6	>	Current ability level is likely sufficient
Arm-Hand Steadiness	6.8	9.1	8.0	<	Some improvement in abilities may be required
Rate Control	3.8	8.3	6.1	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	8.1	7.6	0	Current ability level may be sufficient
Reaction Time	4.8	7.5	9.3	>	Current ability level is likely sufficient
Speed of Limb Movement	3.2	5.3	3.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)
Associated Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Confer with engineering, technical or manufacturing personnel	25
Examine products or work to verify conformance to specifications	15
Load or unload material or workpiece into machinery	34
Maintain or repair industrial or related equipment/machinery	39
Measure, weigh, or count products or materials	17
Monitor production machinery/equipment operation to detect problems	27
Move or fit heavy objects	8
Operate metal or plastic fabricating equipment/machinery	54
Operate ore refining/foundry equipment/machinery	84
Understand technical operating, service or repair manuals	6
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)
Associated Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.